

Application Serial No. 10/672,483  
Response to Restriction Requirement dated September 20, 2005  
Reply to Restriction dated August 30, 2005

Amendments to Claims

This listing of claims will replace all prior versions and listing of claims in the application:

Listing of Claims

1. (Original) A fluid analyzer comprising:
  - a pre-concentrator having a plurality of parallel channels; and
  - a concentrator connected to the pre-concentrator; and
  - a first separator connected to the concentrator.
2. (Original) The analyzer of claim 1, further comprising a first plurality of heater elements situated in the concentrator.
3. (Original) The analyzer of claim 2, further comprising a second separator connected to the first separator.
4. (Original) The analyzer of claim 3, further comprising a second plurality of heater elements in the channels of the pre-concentrator.
5. (Original) The analyzer of claim 4, further comprising a controller connected to the first and second pluralities of heater elements for providing a concentrated heat pulse.

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6. (Original) The analyzer of claim 5, further comprising a first pump connected to a first pump connected to the pre-concentrator.

7. (Original) The analyzer of claim 6, further comprising a second pump connected to the second separator.

8. (Original) The analyzer of claim 7, further comprising at least one detector situated between an input of the pre-concentrator and the second pump.

9. (Original) The analyzer of claim 8, wherein the concentrated heat pulse moves through the concentrator.

10-20. (canceled)